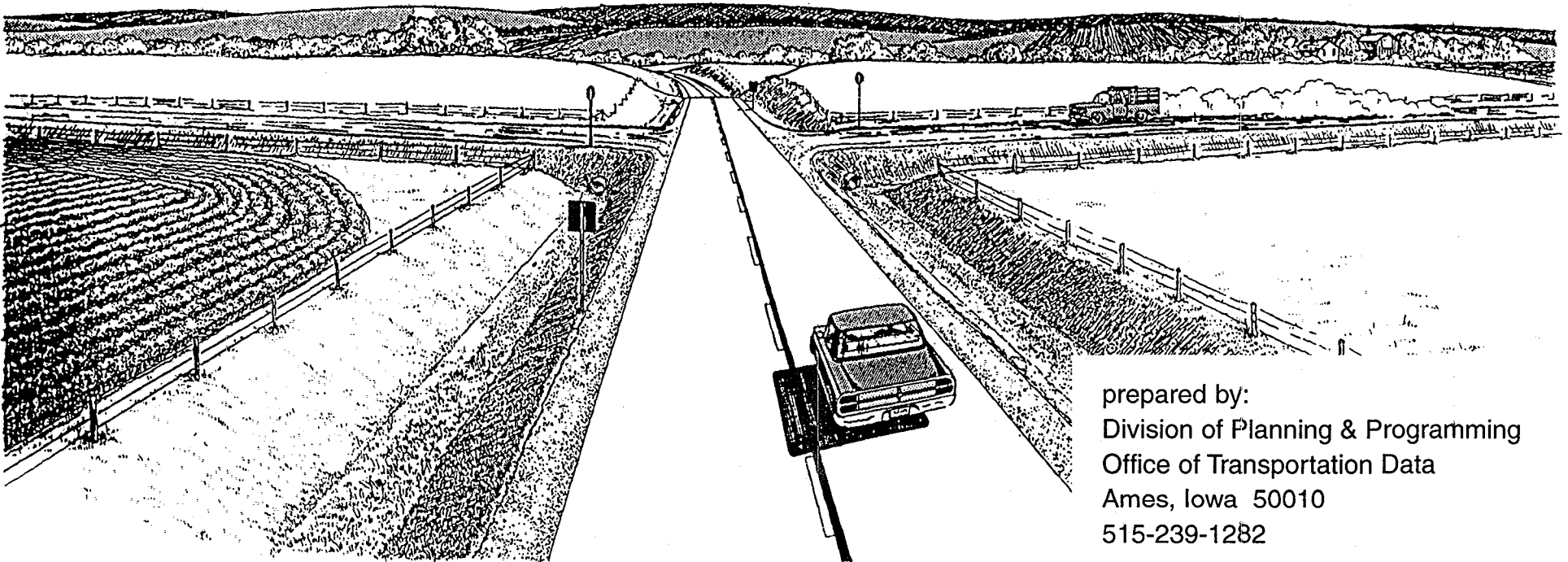


Iowa Miles of Rural Secondary Roads

as of
January 1, 2001



prepared by:
Division of Planning & Programming
Office of Transportation Data
Ames, Iowa 50010
515-239-1282



Iowa Department
of Transportation

IOWA
MILES OF RURAL SECONDARY ROADS
AS OF
JANUARY 1, 2001

Reproduction Cost: \$2.20

INTRODUCTION

The Office of Transportation Data, in cooperation with the Federal Highway Administration, prepares this secondary road report. The report is used by federal, state, and local agencies and the general public for statistical information on the secondary road system.

Information for this report is derived from data reported by Iowa County Engineers. Their reports of construction which may change the road surface, length, and functional classification are reflected in this report.

The report is in four major sections, State Totals in Miles by Type of Surface, Statistical Summary, County Totals in Miles by Type of Surface and Condition of the Rural Secondary System. All data is current as of January 1, 2001.

This report is also available on the Internet at
<ftp://165.206.254.150/dotmaps/>.

The name of the file is rsec_101.wk4. (Lotus version 5.0)

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**FIVE YEAR SUMMARY OF THE SECONDARY ROAD SYSTEM IN IOWA
(IN MILES)**

RURAL SECONDARY ROAD SYSTEM	EARTH ROAD					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
JANUARY 1, 2001											
Total Farm-to-Market	14.587		29.390	44.292	88.269	13,976.550	881.970	14,716.433	29,574.953	29,663.222	29,648.635
Total Not Farm-to-Market	523.845	258.257	4,436.382	13.823	5,232.307	53,192.196	473.890	1,136.541	54,802.627	60,034.934	59,511.089
Total For State	538.432	258.257	4,465.772	58.115	5,320.576	67,168.746	1,355.860	15,852.974	84,377.580	89,698.156	89,159.724
JANUARY 1, 2000											
Total Farm-to-Market	12.263		25.389	38.536	76.188	14,091.430	834.425	14,655.078	29,580.933	29,657.121	29,644.858
Total Not Farm-to-Market	516.215	255.310	4,426.285	12.065	5,209.875	53,307.153	438.152	1,106.717	54,852.022	60,061.897	59,545.682
Total For State	528.478	255.310	4,451.674	50.601	5,286.063	67,398.583	1,272.577	15,761.795	84,432.955	89,719.018	89,190.540
JANUARY 1, 1999											
Total Farm-to-Market	9.880		26.433	52.284	88.597	14,150.040	837.642	14,582.524	29,570.206	29,658.803	29,648.923
Total Not Farm-to-Market	501.682	258.550	4,449.739	14.435	5,224.406	53,365.214	420.093	1,096.065	54,881.372	60,105.778	59,604.096
Total For State	511.562	258.550	4,476.172	66.719	5,313.003	67,515.254	1,257.735	15,678.589	84,451.578	89,764.581	89,253.019
JANUARY 1, 1998											
Total Farm-to-Market	14.696		26.782	56.161	97.639	14,197.382	841.748	14,542.811	29,581.941	29,679.580	29,664.884
Total Not Farm-to-Market	493.308	264.317	4,469.301	16.423	5,243.349	53,405.795	422.666	1,056.537	54,884.998	60,128.347	59,635.039
Total For State	508.004	264.317	4,496.083	72.584	5,340.988	67,603.177	1,264.414	15,599.348	84,466.939	89,807.927	89,299.923
JANUARY 1, 1997											
Total Farm-to-Market	14.696		28.217	63.636	106.549	14,262.899	831.208	14,467.880	29,561.987	29,668.536	29,653.840
Total Not Farm-to-Market	492.365	264.079	4,476.237	13.329	5,246.010	53,468.924	409.105	1,034.284	54,912.313	60,158.323	59,665.958
Total For State	507.061	264.079	4,504.454	76.965	5,352.559	67,731.823	1,240.313	15,502.164	84,474.300	89,826.859	89,319.798

STATISTICAL SUMMARY

On January 1, 2001, the condition of the Secondary Road System was as follows:

	Farm-to-Market System	Area Service Secondary System
Miles of Unimproved Earth Roads		258.257
Graded and Drained Earth Roads	29.390	4,436.382
Soil Surfaced	44.292	13.823
Gravel or Stone Surfaced	13,976.550	53,192.196
Bituminous Surfaced, Not Paved	881.970	473.890
Paved	14,716.433	1,136.541
Total Miles of Open Road	29,648.635	59,511.089
Legal Roads Not Open to Traffic	14.587	523.845
Total Miles in System	29,663.222	60,034.934

Comparison of grading and surfacing of Farm-to-Market and Area Service Secondary Roads accomplished in the past five years is as follows:

Year	Miles Graded	Miles Loose Surfaced
Jan. 1, 1997	64.754	69.917
Jan. 1, 1998	69.515	67.480
Jan. 1, 1999	49.401	66.764
Jan. 1, 2000	68.952	84.276
Jan. 1, 2001	45.813	59.368

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Adair					9.005		9.005
Adams							
Allamakee					0.664	8.298	8.962
Appanoose			0.234		0.189		0.423
Audubon					5.873	1.083	6.956
Benton				3.028	4.984		8.012
Black Hawk					11.712		11.712
Boone	1.001		1.001			0.566	2.568
Bremer							
Buchanan	3.630		3.630				7.260
Buena Vista					20.165		20.165
Butler					13.415		13.415
Calhoun					18.345		18.345
Carroll					0.994		0.994
Cass							
Cedar						5.756	5.756
Cerro Gordo					2.983		2.983
Cherokee					1.989	3.605	5.594
Chickasaw					6.937		6.937
Clarke						2.733	2.733

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT† CONCRETE PAVEMENT	TOTAL
Clay							
Clayton						6.781	6.781
Clinton							
Crawford							
Dallas					0.412	1.530	1.942
Davis	0.730		0.730				1.460
Decatur							
Delaware					1.075		1.075
Des Moines	0.815		0.815				1.630
Dickinson						7.547	7.547
Dubuque				0.628		11.262	11.890
Emmet							
Fayette						8.042	8.042
Floyd					1.548		1.548
Franklin					9.999		9.999
Fremont							
Greene							
Grundy					12.319		12.319
Guthrie					0.447	7.076	7.523
Hamilton							

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Hancock					22.374		22.374
Hardin					6.047		6.047
Harrison						4.543	4.543
Henry	0.094		0.094		8.380	0.985	9.553
Howard					6.879		6.879
Humboldt					6.806		6.806
Ida					17.691		17.691
Iowa					4.526		4.526
Jackson							
Jasper					5.555		5.555
Jefferson				3.782	0.199		3.981
Johnson						2.088	2.088
Jones						3.561	3.561
Keokuk							
Kossuth					24.988		24.988
Lee				0.990		0.122	1.112
Linn	9.798		9.798	4.022	5.638	0.759	30.015
Louisa			3.323			0.659	3.982
Lucas							
Lyon					16.142		16.142

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Madison					4.773		4.773
Mahaska							
Marion							
Marshall					4.723	0.161	4.884
Mills							
Mitchell					16.024		16.024
Monona						0.176	0.176
Monroe							
Montgomery	1.411		1.411				2.822
Muscatine						6.332	6.332
O'Brien					10.028		10.028
Osceola					15.796		15.796
Page							
Palo Alto							
Plymouth					0.653		0.653
Pocahontas					1.466		1.466
Polk				27.841	33.659	1.480	62.980
Pottawattamie				3.768	3.350	5.004	12.122
Poweshiek							
Ringgold					5.805		5.805

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE FARM-TO-MARKET SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Sac					20.824		20.824
Scott				1.611	3.959		5.570
Shelby							
Sioux					9.026		9.026
Story				0.994	4.866	0.131	5.991
Tama					4.054		4.054
Taylor							
Union							
Van Buren							
Wapello					2.338		2.338
Warren				0.504		2.984	3.488
Washington						2.953	2.953
Wayne							
Webster					16.005		16.005
Winnebago					25.356		25.356
Winneshiek				4.686	1.087	2.517	8.290
Woodbury					19.610	0.625	20.235
Worth							
Wright					14.867		14.867
TOTAL	17.479		21.036	51.854	466.549	99.359	656.277

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Adair							
Adams							
Allamakee					0.168	2.118	2.286
Appanoose							
Audubon							
Benton							
Black Hawk							
Boone	6.017		6.017			0.212	12.246
Bremer							
Buchanan	0.691		0.691				1.382
Buena Vista			0.068	1.136		0.008	1.212
Butler							
Calhoun							
Carroll					0.660		0.660
Cass							
Cedar							
Cerro Gordo						1.180	1.180
Cherokee							
Chickasaw							
Clarke			0.410				0.410

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Clay							
Clayton							
Clinton				0.236			0.236
Crawford							
Dallas							
Davis			0.578				0.578
Decatur							
Delaware	0.976		0.976		0.130		2.082
Des Moines	0.342		0.342				0.684
Dickinson				0.404			0.404
Dubuque				0.447			0.447
Emmet			1.001				1.001
Fayette	2.948		2.948		0.060		5.956
Floyd	0.378		0.378		1.416		2.172
Franklin							
Fremont					0.441	0.808	1.249
Greene							
Grundy					0.298		0.298
Guthrie			2.002				2.002
Hamilton							

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Hancock	2.002		2.002		0.975		4.979
Hardin							
Harrison							
Henry	2.521		2.521			0.885	5.927
Howard							
Humboldt							
Ida							
Iowa							
Jackson							
Jasper					5.537		5.537
Jefferson							
Johnson							
Jones							
Keokuk							
Kossuth					5.053		5.053
Lee	0.229		0.229	0.994		0.179	1.631
Linn	3.920		4.318	1.435	1.443	0.123	11.239
Louisa							
Lucas	0.130		0.130				0.260
Lyon							

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Madison							
Mahaska							
Marion				0.938		0.441	1.379
Marshall					0.833		0.833
Mills	0.281		0.420				0.701
Mitchell					0.540		0.540
Monona	0.143		5.203	0.149			5.495
Monroe							
Montgomery							
Muscatine	0.167		0.167		0.278	0.690	1.302
O'Brien						0.249	0.249
Osceola							
Page			0.342				0.342
Palo Alto					0.280		0.280
Plymouth						1.168	1.168
Pocahontas							
Polk				24.298	4.544	4.878	33.720
Pottawattamie				4.428		0.104	4.532
Poweshiek							
Ringgold	0.758		0.758				1.516

**RURAL SECONDARY ROAD
GRADING AND SURFACING WORK ACCOMPLISHED ON THE AREA SERVICE SECONDARY SYSTEM**

COUNTY	GRADED AND DRAINED EARTH	SOIL SURFACE	GRAVEL OR STONE	BITUMINOUS SURFACE	ASPHALT PAVEMENT	PORTLAND CEMENT CONCRETE PAVEMENT	TOTAL
Sac					0.615		0.615
Scott	0.095		0.095	2.594	2.051	0.525	5.360
Shelby							
Sioux	5.993		5.993				11.986
Story				0.889			0.889
Tama							
Taylor							
Union							
Van Buren							
Wapello					1.291		1.291
Warren	0.743		0.743			1.246	2.732
Washington							
Wayne							
Webster							
Winnebago							
Winneshiek				3.151			3.151
Woodbury					0.311	0.161	0.472
Worth							
Wright							
TOTAL	28.334		38.332	41.099	26.924	14.975	149.664

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
 Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Adair		276.985	276.985	144.134	604.082	748.216
Adams		188.763	188.763	103.272	424.270	527.542
Allamakee		299.868	299.868	15.412	548.980	564.392
Appanoose	1.087	269.941	271.028	33.896	427.280	461.176
Audubon		272.886	272.886	36.814	452.340	489.154
Benton	3.449	353.573	357.022	90.769	759.957	850.726
Black Hawk		273.193	273.193	5.078	490.175	495.253
Boone		301.368	301.368	1.883	666.041	667.924
Bremer		190.673	190.673	4.232	515.723	519.955
Buchanan		331.087	331.087	25.293	574.360	599.653
Buena Vista		328.801	328.801	6.457	664.504	670.961
Butler		290.677	290.677	16.659	645.378	662.037
Calhoun		298.551	298.551	6.334	673.305	679.639
Carroll		350.712	350.712	14.956	622.067	637.023
Cass		258.156	258.156	139.807	501.541	641.348
Cedar	1.765	354.882	356.647	56.047	537.181	593.228
Cerro Gordo		317.783	317.783	9.358	617.164	626.522
Cherokee		304.171	304.171	23.226	666.812	690.038
Chickasaw	1.013	232.950	233.963	8.617	594.607	603.224
Clarke		246.595	246.595	71.399	339.675	411.074

**MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Clay		301.791	301.791	5.496	654.762	660.258
Clayton		403.097	403.097	26.348	633.382	659.730
Clinton		348.829	348.829	3.904	646.917	650.821
Crawford	3.583	375.733	379.316	186.135	651.041	837.176
Dallas		253.117	253.117	2.672	619.250	621.922
Davis		265.494	265.494	68.602	467.162	535.764
Decatur		304.123	304.123	81.449	368.983	450.432
Delaware		292.387	292.387	11.797	606.297	618.094
Des Moines		235.050	235.050	65.936	311.282	377.218
Dickinson		220.612	220.612	20.592	411.370	431.962
Dubuque		313.028	313.028	5.204	446.657	451.861
Emmet		178.255	178.255	5.047	460.821	465.868
Fayette		344.512	344.512	0.342	784.510	784.852
Floyd		247.177	247.177	2.022	617.412	619.434
Franklin		354.108	354.108	13.349	625.515	638.864
Fremont		254.001	254.001	131.317	361.223	492.540
Greene		315.494	315.494	4.917	637.362	642.279
Grundy		271.146	271.146	14.354	534.701	549.055
Guthrie		288.181	288.181	69.501	570.767	640.268
Hamilton		315.900	315.900	1.755	588.898	590.653

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM
 Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Hancock		313.925	313.925	6.556	692.267	698.823
Hardin		371.165	371.165	5.209	595.746	600.955
Harrison	0.417	346.846	347.263	148.296	589.360	737.656
Henry		269.105	269.105	68.415	399.492	467.907
Howard		242.331	242.331	1.730	509.236	510.966
Humboldt		200.364	200.364	0.659	512.590	513.249
Ida		224.214	224.214	50.222	449.931	500.153
Iowa	0.392	355.090	355.482	76.304	498.016	574.320
Jackson	1.417	326.032	327.449	37.689	461.709	499.398
Jasper		399.186	399.186	49.181	771.660	820.841
Jefferson	1.896	281.269	283.165	97.062	369.170	466.232
Johnson		307.495	307.495	43.300	557.048	600.348
Jones	1.660	310.963	312.623	27.411	499.648	527.059
Keokuk		319.208	319.208	100.659	502.762	603.421
Kossuth		475.638	475.638	36.379	1,142.266	1,178.645
Lee		276.625	276.625	12.209	410.267	422.476
Linn		336.617	336.617	18.921	789.269	808.190
Louis		239.518	239.518	38.743	290.596	329.339
Lucas		211.426	211.426	90.005	324.056	414.061
Lyon		320.847	320.847	3.697	678.025	681.722

**MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Madison		321.743	321.743	47.242	535.698	582.940
Mahaska		298.012	298.012	37.527	623.438	660.965
Marion		302.590	302.590	45.804	506.823	552.627
Marshall		309.832	309.832	21.550	598.528	620.078
Mills		223.530	223.530	76.456	354.339	430.795
Mitchell		239.574	239.574	5.757	536.969	542.726
Monoha		351.735	351.735	95.530	613.954	709.484
Monroe		275.683	275.683	44.328	278.350	322.678
Montgomery		223.859	223.859	108.857	385.780	494.637
Muscatine	0.361	215.676	216.037	18.809	370.712	389.521
O'Brien		312.487	312.487	61.479	640.857	702.336
Osceola		242.803	242.803	49.799	428.636	478.435
Page		321.578	321.578	159.113	436.264	595.377
Palo Alto		302.576	302.576	0.370	636.183	636.553
Plymouth		347.252	347.252	43.680	1,032.584	1,076.264
Pocahontas		299.499	299.499	18.747	680.713	699.460
Polk		343.744	343.744	1.498	410.256	411.754
Pottawattamie		542.859	542.859	86.209	793.408	879.617
Poweshiek	3.910	324.360	328.270	118.391	523.966	642.357
Ringgold	1.839	270.497	272.336	206.167	392.333	598.500

MILES OF ALL OPEN RURAL SECONDARY ROADS IN IOWA

CLASSIFIED BY SYSTEM

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			AREA SERVICE SECONDARY SYSTEM		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Sac		327.751	327.751	23.220	668.527	691.747
Scott	0.870	203.592	204.462	11.653	329.501	341.154
Shelby	42.405	251.231	293.636	154.341	503.667	658.008
Sioux	0.951	423.638	424.589	48.452	881.744	930.196
Story		360.034	360.034	25.747	553.643	579.390
Tama	0.938	353.787	354.725	82.716	711.089	793.805
Taylor	4.716	320.227	324.943	157.632	419.005	576.637
Union		246.753	246.753	107.359	342.504	449.863
Van Buren		257.871	257.871	51.074	421.676	472.750
Wapello		274.136	274.136	36.769	381.776	418.545
Warren		313.336	313.336	78.342	483.981	562.323
Washington		351.689	351.689	88.455	453.030	541.485
Wayne	1.013	296.614	297.627	63.274	464.114	527.388
Webster		393.319	393.319	3.903	766.516	770.419
Winnebago		201.232	201.232	4.631	511.329	515.960
Winneshiek		345.966	345.966	4.119	692.984	697.103
Woodbury		367.086	367.086	68.107	888.641	956.748
Worth		235.482	235.482	2.201	448.844	451.045
Wright		229.806	229.806	2.125	733.397	735.522
TOTAL	73.682	29,574.953	29,648.635	4,708.462	54,802.627	59,511.089

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Adair	74.395	276.985	748.216	1,025.201	1,099.596
Adams	46.289	188.763	527.542	716.305	762.594
Allamakee	89.672	299.868	564.392	864.260	953.932
Appanoose	71.857	271.028	461.176	732.204	804.061
Audubon	43.140	272.886	489.154	762.040	805.180
Benton	136.164	357.022	850.726	1,207.748	1,343.912
Black Hawk	93.993	273.193	495.253	768.446	862.439
Boone	87.583	301.368	667.924	969.292	1,056.875
Bremer	84.639	190.673	519.955	710.628	795.267
Buchanan	108.021	331.087	599.653	930.740	1,038.761
Buena Vista	90.503	328.801	670.961	999.762	1,090.265
Butler	73.360	290.677	662.037	952.714	1,026.074
Calhoun	79.541	298.551	679.639	978.190	1,057.731
Carroll	74.132	350.712	637.023	987.735	1,061.867
Cass	141.457	258.156	641.348	899.504	1,040.961
Cedar	88.147	356.647	593.228	949.875	1,038.022
Cerro Gordo	94.689	317.783	626.522	944.305	1,038.994
Cherokee	68.196	304.171	690.038	994.209	1,062.405
Chickasaw	66.548	233.963	603.224	837.187	903.735
Clarke	60.971	246.595	411.074	657.669	718.640

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Clay	58.672	301.791	660.258	962.049	1,020.721
Clayton	105.051	403.097	659.730	1,062.827	1,167.878
Clinton	107.278	348.829	650.821	999.650	1,106.928
Crawford	96.681	379.316	837.176	1,216.492	1,313.173
Dallas	119.273	253.117	621.922	875.039	994.312
Davis	57.489	265.494	535.764	801.258	858.747
Decatur	91.536	304.123	450.432	754.555	846.091
Delaware	93.463	292.387	618.094	910.481	1,003.944
Des Moines	57.196	235.050	377.218	612.268	669.464
Dickinson	49.639	220.612	431.962	652.574	702.213
Dubuque	112.940	313.028	451.861	764.889	877.829
Emmet	53.009	178.255	465.868	644.123	697.132
Fayette	125.752	344.512	784.852	1,129.364	1,255.116
Floyd	75.439	247.177	619.434	866.611	942.050
Franklin	78.682	354.108	638.864	992.972	1,071.654
Fremont	121.676	254.001	492.540	746.541	868.217
Greene	76.084	315.494	642.279	957.773	1,033.857
Grundy	81.424	271.146	549.055	820.201	901.625
Guthrie	95.862	288.181	640.268	928.449	1,024.311
Hamilton	149.712	315.900	590.653	906.553	1,056.265

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Hancock	56.781	313.925	698.823	1,012.748	1,069.529
Hardin	92.066	371.165	600.955	972.120	1,064.186
Harrison	124.452	347.263	737.656	1,084.919	1,209.371
Henry	65.216	269.105	467.907	737.012	802.228
Howard	42.701	242.331	510.966	753.297	795.998
Humboldt	38.912	200.364	513.249	713.613	752.525
Ida	60.237	224.214	500.153	724.367	784.604
Iowa	104.464	355.482	574.320	929.802	1,034.266
Jackson	112.855	327.449	499.398	826.847	939.702
Jasper	131.016	399.186	820.841	1,220.027	1,351.043
Jefferson	42.099	283.165	466.232	749.397	791.496
Johnson	126.995	307.495	600.348	907.843	1,034.838
Jones	98.360	312.623	527.059	839.682	938.042
Keokuk	114.237	319.208	603.421	922.629	1,036.866
Kossuth	109.584	475.638	1,178.645	1,654.283	1,763.867
Lee	122.107	276.625	422.476	699.101	821.208
Linn	105.220	336.617	808.190	1,144.807	1,250.027
Louisa	58.928	239.518	329.339	568.857	627.785
Lucas	62.183	211.426	414.061	625.487	687.670
Lyon	69.206	320.847	681.722	1,002.569	1,071.775

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Madison	52.601	321.743	582.940	904.683	957.284
Mahaska	94.068	298.012	660.965	958.977	1,053.045
Marion	97.098	302.590	552.627	855.217	952.315
Marshall	84.268	309.832	620.078	929.910	1,014.178
Mills	102.833	223.530	430.795	654.325	757.158
Mitchell	50.690	239.574	542.726	782.300	832.990
Monona	108.527	351.735	709.484	1,061.219	1,169.746
Monroe	53.754	275.683	322.678	598.361	652.115
Montgomery	62.734	223.859	494.637	718.496	781.230
Muscatine	90.401	216.037	389.521	605.558	695.959
O'Brien	77.105	312.487	702.336	1,014.823	1,091.928
Osceola	58.776	242.803	478.435	721.238	780.014
Page	66.587	321.578	595.377	916.955	983.542
Palo Alto	51.181	302.576	636.553	939.129	990.310
Plymouth	110.882	347.252	1,076.264	1,423.516	1,534.398
Pocahontas	90.471	299.499	699.460	998.959	1,089.430
Polk	139.568	343.744	411.754	755.498	895.066
Pottawattamie	251.236	542.859	879.617	1,422.476	1,673.712
Poweshiek	124.275	328.270	642.357	970.627	1,094.902
Ringgold	72.139	272.336	598.500	870.836	942.975

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
CLASSIFIED BY SYSTEM**

COUNTY	PRIMARY SYSTEM	SECONDARY SYSTEM			TOTAL OPEN ROADS ALL SYSTEMS
		FARM TO MARKET	AREA SERVICE SECONDARY	TOTAL FOR SECONDARY SYSTEM	
Sac	88.186	327.751	691.747	1,019.498	1,107.684
Scott	72.392	204.462	341.154	545.616	618.008
Shelby	76.727	293.636	658.008	951.644	1,028.371
Sioux	106.753	424.589	930.196	1,354.785	1,461.538
Story	117.497	360.034	579.390	939.424	1,056.921
Tama	87.551	354.725	793.805	1,148.530	1,236.081
Taylor	68.967	324.943	576.637	901.580	970.547
Union	56.859	246.753	449.863	696.616	753.475
Van Buren	72.100	257.871	472.750	730.621	802.721
Wapello	55.510	274.136	418.545	692.681	748.191
Warren	116.756	313.336	562.323	875.659	992.415
Washington	115.521	351.689	541.485	893.174	1,008.695
Wayne	58.683	297.627	527.388	825.015	883.698
Webster	100.820	393.319	770.419	1,163.738	1,264.558
Winnebago	41.298	201.232	515.960	717.192	758.490
Winneshiek	93.150	345.966	697.103	1,043.069	1,136.219
Woodbury	134.662	367.086	956.748	1,323.834	1,458.496
Worth	57.869	235.482	451.045	686.527	744.396
Wright	72.143	229.806	735.522	965.328	1,037.471
TOTAL	8,650.412	29,648.635	59,511.089	89,159.724	97,810.136

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA

(SHOWING SURFACED AND NOT SURFACED)

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Adair	144.134	881.067	1,025.201	74.395	144.134	955.462	1,099.596
Adams	103.272	613.033	716.305	46.289	103.272	659.322	762.594
Allamakee	15.412	848.848	864.260	89.672	15.412	938.520	953.932
Appanoose	34.983	697.221	732.204	71.857	34.983	769.078	804.061
Audubon	36.814	725.226	762.040	43.140	36.814	768.366	805.180
Behton	94.218	1,113.530	1,207.748	136.164	94.218	1,249.694	1,343.912
Black Hawk	5.078	763.368	768.446	93.993	5.078	857.361	862.439
Boone	1.883	967.409	969.292	87.583	1.883	1,054.992	1,056.875
Bremer	4.232	706.396	710.628	84.639	4.232	791.035	795.267
Buchanan	25.293	905.447	930.740	108.021	25.293	1,013.468	1,038.761
Buena Vista	6.457	993.305	999.762	90.503	6.457	1,083.808	1,090.265
Butler	16.659	936.055	952.714	73.360	16.659	1,009.415	1,026.074
Calhoun	6.334	971.856	978.190	79.541	6.334	1,051.397	1,057.731
Carroll	14.956	972.779	987.735	74.132	14.956	1,046.911	1,061.867
Cass	139.807	759.697	899.504	141.457	139.807	901.154	1,040.961
Cedar	57.812	892.063	949.875	88.147	57.812	980.210	1,038.022
Cerro Gordo	9.358	934.947	944.305	94.689	9.358	1,029.636	1,038.994
Cherokee	23.226	970.983	994.209	68.196	23.226	1,039.179	1,062.405
Chickasaw	9.630	827.557	837.187	66.548	9.630	894.105	903.735
Clarke	71.399	586.270	657.669	60.971	71.399	647.241	718.640

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)
 Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Clay	5.496	956.553	962.049	58.672	5.496	1,015.225	1,020.721
Clayton	26.348	1,036.479	1,062.827	105.051	26.348	1,141.530	1,167.878
Clinton	3.904	995.746	999.650	107.278	3.904	1,103.024	1,106.928
Crawford	189.718	1,026.774	1,216.492	96.681	189.718	1,123.455	1,313.173
Dallas	2.672	872.367	875.039	119.273	2.672	991.640	994.312
Davis	68.602	732.656	801.258	57.489	68.602	790.145	858.747
Decatur	81.449	673.106	754.555	91.536	81.449	764.642	846.091
Delaware	11.797	898.684	910.481	93.463	11.797	992.147	1,003.944
Des Moines	65.936	546.332	612.268	57.196	65.936	603.528	669.464
Dickinson	20.592	631.982	652.574	49.639	20.592	681.621	702.213
Dubuque	5.204	759.685	764.889	112.940	5.204	872.625	877.829
Emmet	5.047	639.076	644.123	53.009	5.047	692.085	697.132
Fayette	0.342	1,129.022	1,129.364	125.752	0.342	1,254.774	1,255.116
Floyd	2.022	864.589	866.611	75.439	2.022	940.028	942.050
Franklin	13.349	979.623	992.972	78.682	13.349	1,058.305	1,071.654
Fremont	131.317	615.224	746.541	121.676	131.317	736.900	868.217
Greene	4.917	952.856	957.773	76.084	4.917	1,028.940	1,033.857
Grundy	14.354	805.847	820.201	81.424	14.354	887.271	901.625
Guthrie	69.501	858.948	928.449	95.862	69.501	954.810	1,024.311
Hamilton	1.755	904.798	906.553	149.712	1.755	1,054.510	1,056.265

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)
 Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Hancock	6.556	1,006.192	1,012.748	56.781	6.556	1,062.973	1,069.529
Hardin	5.209	966.911	972.120	92.066	5.209	1,058.977	1,064.186
Harrison	148.713	936.206	1,084.919	124.452	148.713	1,060.658	1,209.371
Henry	68.415	668.597	737.012	65.216	68.415	733.813	802.228
Howard	1.730	751.567	753.297	42.701	1.730	794.268	795.998
Humboldt	0.659	712.954	713.613	38.912	0.659	751.866	752.525
Ia	50.222	674.145	724.367	60.237	50.222	734.382	784.604
Iowa	76.696	853.106	929.802	104.464	76.696	957.570	1,034.266
Jackson	39.106	787.741	826.847	112.855	39.106	900.596	939.702
Jasper	49.181	1,170.846	1,220.027	131.016	49.181	1,301.862	1,351.043
Jefferson	98.958	650.439	749.397	42.099	98.958	692.538	791.496
Johnson	43.300	864.543	907.843	126.995	43.300	991.538	1,034.838
Jones	29.071	810.611	839.682	98.360	29.071	908.971	938.042
Keokuk	100.659	821.970	922.629	114.237	100.659	936.207	1,036.866
Kossuth	36.379	1,617.904	1,654.283	109.584	36.379	1,727.488	1,763.867
Lee	12.209	686.892	699.101	122.107	12.209	808.999	821.208
Linn	18.921	1,125.886	1,144.807	105.220	18.921	1,231.106	1,250.027
Louisa	38.743	530.114	568.857	58.928	38.743	589.042	627.785
Lucas	90.005	535.482	625.487	62.183	90.005	597.665	687.670
Lyon	3.697	998.872	1,002.569	69.206	3.697	1,068.078	1,071.775

MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA

(SHOWING SURFACED AND NOT SURFACED)

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Madison	47.242	857.441	904.683	52.601	47.242	910.042	957.284
Mahaska	37.527	921.450	958.977	94.068	37.527	1,015.518	1,053.045
Marion	45.804	809.413	855.217	97.098	45.804	906.511	952.315
Marshall	21.550	908.360	929.910	84.268	21.550	992.628	1,014.178
Mills	76.456	577.869	654.325	102.833	76.456	680.702	757.158
Mitchell	5.757	776.543	782.300	50.690	5.757	827.233	832.990
Monona	95.530	965.689	1,061.219	108.527	95.530	1,074.216	1,169.746
Monroe	44.328	554.033	598.361	53.754	44.328	607.787	652.115
Montgomery	108.857	609.639	718.496	62.734	108.857	672.373	781.230
Muscatine	19.170	586.388	605.558	90.401	19.170	676.789	695.959
O'Brien	61.479	953.344	1,014.823	77.105	61.479	1,030.449	1,091.928
Osteola	49.799	671.439	721.238	58.776	49.799	730.215	780.014
Page	159.113	757.842	916.955	66.587	159.113	824.429	983.542
Palo Alto	0.370	938.759	939.129	51.181	0.370	989.940	990.310
Plymouth	43.680	1,379.836	1,423.516	110.882	43.680	1,490.718	1,534.398
Pocahontas	18.747	980.212	998.959	90.471	18.747	1,070.683	1,089.430
Polk	1.498	754.000	755.498	139.568	1.498	893.568	895.066
Pottawattamie	86.209	1,336.267	1,422.476	251.236	86.209	1,587.503	1,673.712
Poweshiek	122.301	848.326	970.627	124.275	122.301	972.601	1,094.902
Ringgold	208.006	662.830	870.836	72.139	208.006	734.969	942.975

**MILES OF RURAL PRIMARY ROADS AND SECONDARY ROADS IN IOWA
(SHOWING SURFACED AND NOT SURFACED)**

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL OPEN SECONDARY SYSTEM			RURAL PRIMARY	TOTAL OPEN ALL RURAL SYSTEMS		
	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS	ALL SURFACED ROADS	NOT SURFACED ROADS	SURFACED ROADS	TOTAL ROADS
Sac	23.220	996.278	1,019.498	88.186	23.220	1,084.464	1,107.684
Scott	12.523	533.093	545.616	72.392	12.523	605.485	618.008
Shelby	196.746	754.898	951.644	76.727	196.746	831.625	1,028.371
Sioux	49.403	1,305.382	1,354.785	106.753	49.403	1,412.135	1,461.538
Story	25.747	913.677	939.424	117.497	25.747	1,031.174	1,056.921
Tama	83.654	1,064.876	1,148.530	87.551	83.654	1,152.427	1,236.081
Taylor	162.348	739.232	901.580	68.967	162.348	808.199	970.547
Union	107.359	589.257	696.616	56.859	107.359	646.116	753.475
Van Buren	51.074	679.547	730.621	72.100	51.074	751.647	802.721
Wapello	36.769	655.912	692.681	55.510	36.769	711.422	748.191
Warren	78.342	797.317	875.659	116.756	78.342	914.073	992.415
Washington	88.455	804.719	893.174	115.521	88.455	920.240	1,008.695
Wayne	64.287	760.728	825.015	58.683	64.287	819.411	883.698
Webster	3.903	1,159.835	1,163.738	100.820	3.903	1,260.655	1,264.558
Winnebago	4.631	712.561	717.192	41.298	4.631	753.859	758.490
Winneshiek	4.119	1,038.950	1,043.069	93.150	4.119	1,132.100	1,136.219
Woodbury	68.107	1,255.727	1,323.834	134.662	68.107	1,390.389	1,458.496
Worth	2.201	684.326	686.527	57.869	2.201	742.195	744.396
Wright	2.125	963.203	965.328	72.143	2.125	1,035.346	1,037.471
TOTAL	4,782.144	84,377.580	89,159.724	8,650.412	4,782.144	93,027.992	97,810.136

**MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair	2.065	1.541	142.593		146.199	794.822	8.129	78.116	881.067	1,027.266	1,025.201
Adams	0.921		103.272		104.193	515.765	0.112	97.156	613.033	717.226	716.305
Allamakee	11.063	13.175	2.237		26.475	700.396	1.149	147.303	848.848	875.323	864.260
Appanoose	11.873	0.222	34.761		46.856	606.299	1.324	89.598	697.221	744.077	732.204
Audubon	1.401	0.640	36.174		38.215	633.346	4.947	86.933	725.226	763.441	762.040
Benton	3.384		94.218		97.602	927.151	4.376	182.003	1,113.530	1,211.132	1,207.748
Black Hawk	1.504	0.721	4.357		6.582	526.591	19.993	216.784	763.368	769.950	768.446
Boone	4.967		0.870	1.013	6.850	781.953	2.572	182.884	967.409	974.259	969.292
Bremer	0.746	2.343	1.889		4.978	572.881	0.935	132.580	706.396	711.374	710.628
Buchanan	0.865	1.022	23.751	0.520	26.158	743.501	3.225	158.721	905.447	931.605	930.740
Buena Vista	4.010	3.707	2.750		10.467	747.976	1.511	243.818	993.305	1,003.772	999.762
Butler	5.638		16.659		22.297	736.350	0.447	199.258	936.055	958.352	952.714
Calhoun		1.501	4.833		6.334	810.991	2.328	158.537	971.856	978.190	978.190
Carroll	2.958	2.399	12.557		17.914	800.793	0.466	171.520	972.779	990.693	987.735
Cass	1.533	1.373	138.434		141.340	652.255	8.527	98.915	759.697	901.037	899.504
Cedar	3.754	2.076	55.736		61.566	755.303	3.487	133.273	892.063	953.629	949.875
Cerro Gordo	3.345	4.230	5.128		12.703	700.199	3.643	231.105	934.947	947.650	944.305
Cherokee	5.849	1.412	21.814		29.075	769.112		201.871	970.983	1,000.058	994.209
Chickasaw	2.018	4.701	4.929		11.648	692.770	0.727	134.060	827.557	839.205	837.187
Clarke	3.473	0.062	71.337		74.872	532.018	5.034	49.218	586.270	661.142	657.669

**MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay		2.604	2.892		5.496	747.801		208.752	956.553	962.049	962.049
Clayton	13.155	10.151	16.197		39.503	852.343	5.632	178.504	1,036.479	1,075.982	1,062.827
Clinton	7.239	0.566	3.338		11.143	787.985	2.037	205.724	995.746	1,006.889	999.650
Crawford	10.731	2.549	183.489	3.680	200.449	891.314	1.038	134.422	1,026.774	1,227.223	1,216.492
Dallas	6.026		2.672		8.698	691.125	3.243	177.999	872.367	881.065	875.039
Davis	4.975	1.100	67.502		73.577	653.287	0.410	78.959	732.656	806.233	801.258
Decatur	13.484	0.118	81.331		94.933	517.052	57.484	98.570	673.106	768.039	754.555
Delaware	3.891	4.265	7.532		15.688	685.319	0.870	212.495	898.684	914.372	910.481
Des Moines	2.911	4.573	61.254	0.109	68.847	450.856	0.031	95.445	546.332	615.179	612.268
Dickinson	5.593	17.559	3.033		26.185	459.307	8.022	164.653	631.982	658.167	652.574
Dubuque	9.970	2.986	2.218		15.174	368.677	169.833	221.175	759.685	774.859	764.889
Emmet	0.864	3.033	2.014		5.911	459.125		179.951	639.076	644.987	644.123
Fayette	4.501	0.311	0.031		4.843	910.054	1.828	217.140	1,129.022	1,133.865	1,129.364
Floyd	2.267	1.001	1.021		4.289	711.887	6.183	146.519	864.589	868.878	866.611
Franklin	3.244	3.611	9.738		16.593	784.226		195.397	979.623	996.216	992.972
Fremont	4.002	1.896	129.421		135.319	448.029	107.984	59.211	615.224	750.543	746.541
Greene	4.663	1.750	3.167		9.580	745.802		207.054	952.856	962.436	957.773
Grundy	0.292	9.262	5.092		14.646	633.368	1.517	170.962	805.847	820.493	820.201
Guthrie	8.977	1.362	68.139		78.478	735.486	1.566	121.896	858.948	937.426	928.449
Hamilton	0.745	0.329	1.426		2.500	717.826	0.441	186.531	904.798	907.298	906.553

**MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM)
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COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	6.836	5.095	1.461		13.392	760.846	1.817	243.529	1,006.192	1,019.584	1,012.748
Hardin	2.356	0.590	4.619		7.565	786.899	3.903	176.109	966.911	974.476	972.120
Harrison	15.287	4.990	143.524	0.199	164.000	787.813	60.669	87.724	936.206	1,100.206	1,084.919
Henry	3.151		68.165	0.250	71.566	551.455	0.982	116.160	668.597	740.163	737.012
Howard	3.498		1.730		5.228	639.928	2.395	109.244	751.567	756.795	753.297
Humboldt	0.777	0.149	0.510		1.436	519.593	0.249	193.112	712.954	714.390	713.613
Ida	8.969	2.523	47.699		59.191	550.039		124.106	674.145	733.336	724.367
Iowa	9.000	1.347	75.349		85.696	703.215	3.680	146.211	853.106	938.802	929.802
Jackson	6.242	2.884	36.222		45.348	625.717	4.593	157.431	787.741	833.089	826.847
Jasper	7.111	1.243	47.938		56.292	958.306	17.710	194.830	1,170.846	1,227.138	1,220.027
Jefferson		0.267	98.691		98.958	519.734	6.197	124.508	650.439	749.397	749.397
Johnson	1.907	3.233	39.808	0.259	45.207	591.465	131.367	141.711	864.543	909.750	907.843
Jones	4.513	1.522	27.549		33.584	659.180	1.035	150.396	810.611	844.195	839.682
Keokuk	6.208	3.753	96.906		106.867	733.176	0.578	88.216	821.970	928.837	922.629
Kossuth	1.482	19.141	17.238		37.861	1,117.762	0.324	499.818	1,617.904	1,655.765	1,654.283
Lee	1.989	3.978	8.231		14.198	536.493	23.114	127.285	686.892	701.090	699.101
Linn	13.038	0.225	18.696		31.959	818.923	59.765	247.198	1,125.886	1,157.845	1,144.807
Louisa	2.331	0.622	38.121		41.074	417.709	5.986	106.419	530.114	571.188	568.857
Lucas	4.034		90.005		94.039	486.832		48.650	535.482	629.521	625.487
Lyon	1.654	2.349	1.348		5.351	754.974	0.491	243.407	998.872	1,004.223	1,002.569

**MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM)
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COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison	7.433	8.534	38.708		54.675	757.661	0.031	99.749	857.441	912.116	904.683
Mahaska	10.136	5.086	32.441		47.663	816.809		104.641	921.450	969.113	958.977
Marion	4.978	0.845	44.872	0.087	50.782	666.631	31.700	111.082	809.413	860.195	855.217
Marshall	4.981	0.677	20.873		26.531	715.884	2.315	190.161	908.360	934.891	929.910
Mills	0.450	0.938	75.518		76.906	445.257	77.401	55.211	577.869	654.775	654.325
Mitchell	1.584	0.958	4.799		7.341	604.760	12.902	158.881	776.543	783.884	782.300
Monona	12.321	11.412	84.118		107.851	780.072	1.857	183.760	965.689	1,073.540	1,061.219
Monroe	22.555	0.320	44.008		66.883	496.275	4.027	53.731	554.033	620.916	598.361
Montgomery	1.077	0.342	108.515		109.934	505.090	1.730	102.819	609.639	719.573	718.496
Muscatine	2.279	3.694	15.476		21.449	418.160	40.605	127.623	586.388	607.837	605.558
O'Brien	3.444	0.136	61.343		64.923	737.033		216.311	953.344	1,018.267	1,014.823
Osceola	1.299	0.994	48.805		51.098	477.119		194.320	671.439	722.537	721.238
Page	3.027	2.517	156.596		162.140	550.264	109.592	97.986	757.842	919.982	916.955
Palo Alto	3.429	0.249	0.121		3.799	769.840	1.081	167.838	938.759	942.558	939.129
Plymouth	3.039	4.521	39.159		46.719	1,021.293	0.848	357.695	1,379.836	1,426.555	1,423.516
Pocahontas	0.293	3.523	15.224		19.040	795.117		185.095	980.212	999.252	998.959
Polk	10.511	0.715	0.783		12.009	266.829	78.244	408.927	754.000	766.009	755.498
Pottawattamie	16.603	0.864	85.345		102.812	1,145.292	34.388	156.587	1,336.267	1,439.079	1,422.476
Poweshiek	5.887	2.623	119.678		128.188	739.338	9.993	98.995	848.326	976.514	970.627
Ringgold	19.935	9.546	198.460		227.941	526.889	64.157	71.784	662.830	890.771	870.836

**MILES OF RURAL SECONDARY ROADS FOR ALL SYSTEMS (AREA SERVICE AND FM)
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COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac	1.660	0.501	22.719		24.880	800.743	0.983	194.552	996.278	1,021.158	1,019.498
Scott	1.528	5.954	6.569		14.051	359.377	7.138	166.578	533.093	547.144	545.616
Shelby	14.452		144.748	51.998	211.198	628.915	12.412	113.571	754.898	966.096	951.644
Sioux	11.394	4.759	44.644		60.797	1,039.654	0.093	265.635	1,305.382	1,366.179	1,354.785
Story	0.180	0.659	25.088		25.927	708.962	9.050	195.665	913.677	939.604	939.424
Tama	8.076	2.772	80.882		91.730	896.599	0.957	167.320	1,064.876	1,156.606	1,148.530
Taylor	5.670	5.407	156.941		168.018	646.119	8.745	84.368	739.232	907.250	901.580
Union	2.610	2.213	105.146		109.969	496.749	27.814	64.694	589.257	699.226	696.616
Van Buren	12.891	1.517	49.557		63.965	589.677	3.258	86.612	679.547	743.512	730.621
Wapello	8.569		36.769		45.338	524.869	8.761	122.282	655.912	701.250	692.681
Warren	1.577		78.342		79.919	656.551	3.192	137.574	797.317	877.236	875.659
Washington	14.318	1.185	87.270		102.773	671.739	7.451	125.529	804.719	907.492	893.174
Wayne	5.491	0.373	63.914		69.778	658.798		101.930	760.728	830.506	825.015
Webster	3.276		3.903		7.179	873.137	9.114	277.584	1,159.835	1,167.014	1,163.738
Winnebago	2.037	4.631			6.668	568.343	0.162	144.056	712.561	719.229	717.192
Winneshiek	9.515	1.421	2.698		13.634	817.740	16.448	204.762	1,038.950	1,052.584	1,043.069
Woodbury	13.252	2.084	66.023		81.359	952.912	0.064	302.751	1,255.727	1,337.086	1,323.834
Worth	6.792	0.709	1.492		8.993	475.206	3.170	205.950	684.326	693.319	686.527
Wright	0.603	1.516	0.609		2.728	795.643	0.271	167.289	963.203	965.931	965.328
TOTAL	538.432	258.257	4,465.772	58.115	5,320.576	67,168.746	1,355.860	15,852.974	84,377.580	89,698.156	89,159.724

**MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair						195.157	4.004	77.824	276.985	276.985	276.985
Adams						96.272		92.491	188.763	188.763	188.763
Allamakee						156.698	0.118	143.052	299.868	299.868	299.868
Appanoose			1.087		1.087	189.497	0.249	80.195	269.941	271.028	271.028
Audubon						184.723	2.595	85.568	272.886	272.886	272.886
Benton	0.500		3.449		3.949	174.869	3.239	175.465	353.573	357.522	357.022
Black Hawk	0.329				0.329	59.045	3.866	210.282	273.193	273.522	273.193
Boone						126.336	1.143	173.889	301.368	301.368	301.368
Bremer						63.229		127.444	190.673	190.673	190.673
Buchanan						176.430	2.269	152.388	331.087	331.087	331.087
Buena Vista						92.626		236.175	328.801	328.801	328.801
Butler						97.170		193.507	290.677	290.677	290.677
Calhoun						142.860	0.249	155.442	298.551	298.551	298.551
Carroll	0.485				0.485	187.696	0.398	162.618	350.712	351.197	350.712
Cass						159.934	4.032	94.190	258.156	258.156	258.156
Cedar			1.765		1.765	232.385	0.379	122.118	354.882	356.647	356.647
Cerro Gordo	0.697				0.697	104.349		213.434	317.783	318.480	317.783
Cherokee	1.585				1.585	108.779		195.392	304.171	305.756	304.171
Chickasaw			1.013		1.013	99.114		133.836	232.950	233.963	233.963
Clarke						192.971	4.406	49.218	246.595	246.595	246.595

**MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay						101.529		200.262	301.791	301.791	301.791
Clayton						231.103	1.964	170.030	403.097	403.097	403.097
Clinton	0.089				0.089	168.526	0.236	180.067	348.829	348.918	348.829
Crawford			1.457	2.126	3.583	244.648	0.131	130.954	375.733	379.316	379.316
Dallas						87.873	0.497	164.747	253.117	253.117	253.117
Davis						191.445	0.410	73.639	265.494	265.494	265.494
Decatur						169.211	42.992	91.920	304.123	304.123	304.123
Delaware						96.072		196.315	292.387	292.387	292.387
Des Moines	0.301				0.301	155.617		79.433	235.050	235.351	235.050
Dickinson						87.249	1.972	131.391	220.612	220.612	220.612
Dubuque						48.927	81.830	182.271	313.028	313.028	313.028
Emmet						11.033		167.222	178.255	178.255	178.255
Fayette						131.271	0.131	213.110	344.512	344.512	344.512
Floyd						108.938	2.815	135.424	247.177	247.177	247.177
Franklin						166.183		187.925	354.108	354.108	354.108
Fremont						98.718	103.859	51.424	254.001	254.001	254.001
Greene						109.353		206.141	315.494	315.494	315.494
Grundy						100.060	1.169	169.917	271.146	271.146	271.146
Guthrie						172.859	0.820	114.502	288.181	288.181	288.181
Hamilton						130.371		185.529	315.900	315.900	315.900

**MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	0.529				0.529	75.813	0.329	237.783	313.925	314.454	313.925
Hardin						198.579	1.752	170.834	371.165	371.165	371.165
Harrison			0.218	0.199	0.417	206.258	52.914	87.674	346.846	347.263	347.263
Henry	0.184				0.184	160.826	0.261	108.018	269.105	269.289	269.105
Howard						133.167	1.401	107.763	242.331	242.331	242.331
Humboldt						20.529		179.835	200.364	200.364	200.364
Ida						105.182		119.032	224.214	224.214	224.214
Iowa	1.007		0.392		1.399	217.952	3.136	134.002	355.090	356.489	355.482
Jackson	0.249		1.417		1.666	180.885	0.671	144.476	326.032	327.698	327.449
Jasper						218.585	2.803	177.798	399.186	399.186	399.186
Jefferson			1.896		1.896	163.913	4.047	113.309	281.269	283.165	283.165
Johnson						77.655	96.722	133.118	307.495	307.495	307.495
Jones			1.660		1.660	168.436		142.527	310.963	312.623	312.623
Keokuk	1.521				1.521	231.520		87.688	319.208	320.729	319.208
Kossuth						67.628		408.010	475.638	475.638	475.638
Lee						150.577	12.766	113.282	276.625	276.625	276.625
Linn	1.000				1.000	105.164	30.567	200.886	336.617	337.617	336.617
Louisa						136.125	0.131	103.262	239.518	239.518	239.518
Lucas						163.221		48.205	211.426	211.426	211.426
Lyon						89.106	0.491	231.250	320.847	320.847	320.847

**MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison						222.031	0.031	99.681	321.743	321.743	321.743
Mahaska	0.045				0.045	203.362		94.650	298.012	298.057	298.012
Marion	0.263				0.263	196.922	9.305	96.363	302.590	302.853	302.590
Marshall	0.012				0.012	129.405	1.007	179.420	309.832	309.844	309.832
Mills						97.659	74.490	51.381	223.530	223.530	223.530
Mitchell						76.229	6.073	157.272	239.574	239.574	239.574
Monona						168.787	0.820	182.128	351.735	351.735	351.735
Monroe						228.492	3.667	43.524	275.683	275.683	275.683
Montgomery	0.500				0.500	122.492	1.599	99.768	223.859	224.359	223.859
Muscatine	1.210		0.361		1.571	81.477	21.677	112.522	215.676	217.247	216.037
O'Brien						100.099		212.388	312.487	312.487	312.487
Osceola						58.512		184.291	242.803	242.803	242.803
Page						120.548	106.171	94.859	321.578	321.578	321.578
Palo Alto						142.700	0.037	159.839	302.576	302.576	302.576
Plymouth						18.469		328.783	347.252	347.252	347.252
Pocahontas						122.241		177.258	299.499	299.499	299.499
Polk	1.441				1.441	54.387	34.337	255.020	343.744	345.185	343.744
Pottawattamie	1.001				1.001	384.666	15.901	142.292	542.859	543.860	542.859
Poweshiek			3.910		3.910	224.873	4.655	94.832	324.360	328.270	328.270
Ringgold			1.839		1.839	151.718	46.995	71.784	270.497	272.336	272.336

**MILES OF RURAL SECONDARY ROADS ON THE FARM-TO-MARKET SYSTEM
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac						135.510	0.522	191.719	327.751	327.751	327.751
Scott			0.870		0.870	69.208	2.624	131.760	203.592	204.462	204.462
Shelby			0.438	41.967	42.405	126.628	12.412	112.191	251.231	293.636	293.636
Sioux			0.951		0.951	164.686		258.952	423.638	424.589	424.589
Story						173.919	6.973	179.142	360.034	360.034	360.034
Tama			0.938		0.938	193.298	0.249	160.240	353.787	354.725	354.725
Taylor	0.797		4.716		5.513	230.475	8.254	81.498	320.227	325.740	324.943
Union						167.288	22.320	57.145	246.753	246.753	246.753
Van Buren	0.315				0.315	173.223	2.915	81.733	257.871	258.186	257.871
Wapello						154.798	7.332	112.006	274.136	274.136	274.136
Warren						190.225	1.418	121.693	313.336	313.336	313.336
Washington						223.382	6.515	121.792	351.689	351.689	351.689
Wayne			1.013		1.013	203.478		93.136	296.614	297.627	297.627
Webster						134.552		258.767	393.319	393.319	393.319
Winnebago	0.527				0.527	59.217		142.015	201.232	201.759	201.232
Winneshiek						139.218	9.907	196.841	345.966	345.966	345.966
Woodbury						84.292		282.794	367.086	367.086	367.086
Worth						60.890		174.592	235.482	235.482	235.482
Wright						64.947		164.859	229.806	229.806	229.806
TOTAL	14.587		29.390	44.292	88.269	13,976.550	881.970	14,716.433	29,574.953	29,663.222	29,648.635

**MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Adair	2.065	1.541	142.593		146.199	599.665	4.125	0.292	604.082	750.281	748.216
Adams	0.921		103.272		104.193	419.493	0.112	4.665	424.270	528.463	527.542
Allamakee	11.063	13.175	2.237		26.475	543.698	1.031	4.251	548.980	575.455	564.392
Appanoose	11.873	0.222	33.674		45.769	416.802	1.075	9.403	427.280	473.049	461.176
Audubon	1.401	0.640	36.174		38.215	448.623	2.352	1.365	452.340	490.555	489.154
Benton	2.884		90.769		93.653	752.282	1.137	6.538	759.957	853.610	850.726
Black Hawk	1.175	0.721	4.357		6.253	467.546	16.127	6.502	490.175	496.428	495.253
Boone	4.967		0.870	1.013	6.850	655.617	1.429	8.995	666.041	672.891	667.924
Bremer	0.746	2.343	1.889		4.978	509.652	0.935	5.136	515.723	520.701	519.955
Buchanan	0.865	1.022	23.751	0.520	26.158	567.071	0.956	6.333	574.360	600.518	599.653
Buena Vista	4.010	3.707	2.750		10.467	655.350	1.511	7.643	664.504	674.971	670.961
Butler	5.638		16.659		22.297	639.180	0.447	5.751	645.378	667.675	662.037
Calhoun		1.501	4.833		6.334	668.131	2.079	3.095	673.305	679.639	679.639
Carroll	2.473	2.399	12.557		17.429	613.097	0.068	8.902	622.067	639.496	637.023
Cass	1.533	1.373	138.434		141.340	492.321	4.495	4.725	501.541	642.881	641.348
Cedar	3.754	2.076	53.971		59.801	522.918	3.108	11.155	537.181	596.982	593.228
Cerro Gordo	2.648	4.230	5.128		12.006	595.850	3.643	17.671	617.164	629.170	626.522
Cherokee	4.264	1.412	21.814		27.490	660.333		6.479	666.812	694.302	690.038
Chickasaw	2.018	4.701	3.916		10.635	593.656	0.727	0.224	594.607	605.242	603.224
Clarke	3.473	0.062	71.337		74.872	339.047	0.628		339.675	414.547	411.074

**MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Clay		2.604	2.892		5.496	646.272		8.490	654.762	660.258	660.258
Clayton	13.155	10.151	16.197		39.503	621.240	3.668	8.474	633.382	672.885	659.730
Clinton	7.150	0.566	3.338		11.054	619.459	1.801	25.657	646.917	657.971	650.821
Crawford	10.731	2.549	182.032	1.554	196.866	646.666	0.907	3.468	651.041	847.907	837.176
Dallas	6.026		2.672		8.698	603.252	2.746	13.252	619.250	627.948	621.922
Davis	4.975	1.100	67.502		73.577	461.842		5.320	467.162	540.739	535.764
Decatur	13.484	0.118	81.331		94.933	347.841	14.492	6.650	368.983	463.916	450.432
Delaware	3.891	4.265	7.532		15.688	589.247	0.870	16.180	606.297	621.985	618.094
Des Moines	2.610	4.573	61.254	0.109	68.546	295.239	0.031	16.012	311.282	379.828	377.218
Dickinson	5.593	17.559	3.033		26.185	372.058	6.050	33.262	411.370	437.555	431.962
Dubuque	9.970	2.986	2.218		15.174	319.750	88.003	38.904	446.657	461.831	451.861
Emmet	0.864	3.033	2.014		5.911	448.092		12.729	460.821	466.732	465.868
Fayette	4.501	0.311	0.031		4.843	778.783	1.697	4.030	784.510	789.353	784.852
Floyd	2.267	1.001	1.021		4.289	602.949	3.368	11.095	617.412	621.701	619.434
Franklin	3.244	3.611	9.738		16.593	618.043		7.472	625.515	642.108	638.864
Fremont	4.002	1.896	129.421		135.319	349.311	4.125	7.787	361.223	496.542	492.540
Greene	4.663	1.750	3.167		9.580	636.449		0.913	637.362	646.942	642.279
Grundy	0.292	9.262	5.092		14.646	533.308	0.348	1.045	534.701	549.347	549.055
Guthrie	8.977	1.362	68.139		78.478	562.627	0.746	7.394	570.767	649.245	640.268
Hamilton	0.745	0.329	1.426		2.500	587.455	0.441	1.002	588.898	591.398	590.653

**MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Hancock	6.307	5.095	1.461		12.863	685.033	1.488	5.746	692.267	705.130	698.823
Hardin	2.356	0.590	4.619		7.565	588.320	2.151	5.275	595.746	603.311	600.955
Harrison	15.287	4.990	143.306		163.583	581.555	7.755	0.050	589.360	752.943	737.656
Henry	2.967		68.165	0.250	71.382	390.629	0.721	8.142	399.492	470.874	467.907
Howard	3.498		1.730		5.228	506.761	0.994	1.481	509.236	514.464	510.966
Humboldt	0.777	0.149	0.510		1.436	499.064	0.249	13.277	512.590	514.026	513.249
Ida	8.969	2.523	47.699		59.191	444.857		5.074	449.931	509.122	500.153
Iowa	7.993	1.347	74.957		84.297	485.263	0.544	12.209	498.016	582.313	574.320
Jackson	5.993	2.884	34.805		43.682	444.832	3.922	12.955	461.709	505.391	499.398
Jasper	7.111	1.243	47.938		56.292	739.721	14.907	17.032	771.660	827.952	820.841
Jefferson		0.267	96.795		97.062	355.821	2.150	11.199	369.170	466.232	466.232
Johnson	1.907	3.233	39.808	0.259	45.207	513.810	34.645	8.593	557.048	602.255	600.348
Jones	4.513	1.522	25.889		31.924	490.744	1.035	7.869	499.648	531.572	527.059
Keokuk	4.687	3.753	96.906		105.346	501.656	0.578	0.528	502.762	608.108	603.421
Kossuth	1.482	19.141	17.238		37.861	1,050.134	0.324	91.808	1,142.266	1,180.127	1,178.645
Lee	1.989	3.978	8.231		14.198	385.916	10.348	14.003	410.267	424.465	422.476
Linn	12.038	0.225	18.696		30.959	713.759	29.198	46.312	789.269	820.228	808.190
Louisa	2.331	0.622	38.121		41.074	281.584	5.855	3.157	290.596	331.670	329.339
Lucas	4.034		90.005		94.039	323.611		0.445	324.056	418.095	414.061
Lyon	1.654	2.349	1.348		5.351	665.868		12.157	678.025	683.376	681.722

**MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Madison	7.433	8.534	38.708		54.675	535.630		0.068	535.698	590.373	582.940
Mahaska	10.091	5.086	32.441		47.618	613.447		9.991	623.438	671.056	660.965
Marion	4.715	0.845	44.872	0.087	50.519	469.709	22.395	14.719	506.823	557.342	552.627
Marshall	4.969	0.677	20.873		26.519	586.479	1.308	10.741	598.528	625.047	620.078
Mills	0.450	0.938	75.518		76.906	347.598	2.911	3.830	354.339	431.245	430.795
Mitchell	1.584	0.958	4.799		7.341	528.531	6.829	1.609	536.969	544.310	542.726
Monona	12.321	11.412	84.118		107.851	611.285	1.037	1.632	613.954	721.805	709.484
Monroe	22.555	0.320	44.008		66.883	267.783	0.360	10.207	278.350	345.233	322.678
Montgomery	0.577	0.342	108.515		109.434	382.598	0.131	3.051	385.780	495.214	494.637
Muscatine	1.069	3.694	15.115		19.878	336.683	18.928	15.101	370.712	390.590	389.521
O'Brien	3.444	0.136	61.343		64.923	636.934		3.923	640.857	705.780	702.336
Osceola	1.299	0.994	48.805		51.098	418.607		10.029	428.636	479.734	478.435
Page	3.027	2.517	156.596		162.140	429.716	3.421	3.127	436.264	598.404	595.377
Palo Alto	3.429	0.249	0.121		3.799	627.140	1.044	7.999	636.183	639.982	636.553
Plymouth	3.039	4.521	39.159		46.719	1,002.824	0.848	28.912	1,032.584	1,079.303	1,076.264
Pocahontas	0.293	3.523	15.224		19.040	672.876		7.837	680.713	699.753	699.460
Polk	9.070	0.715	0.783		10.568	212.442	43.907	153.907	410.256	420.824	411.754
Pottawattamie	15.602	0.864	85.345		101.811	760.626	18.487	14.295	793.408	895.219	879.617
Poweshiek	5.887	2.623	115.768		124.278	514.465	5.338	4.163	523.966	648.244	642.357
Ringgold	19.935	9.546	196.621		226.102	375.171	17.162		392.333	618.435	598.500

**MILES OF RURAL SECONDARY ROADS ON THE AREA SERVICE SYSTEM (NON- FM)
CLASSIFIED BY SURFACE TYPE**

COUNTY	EARTH ROADS					SURFACED ROADS				TOTAL RURAL ROADS FOR SYSTEM	TOTAL OPEN ROADS
	LEGAL NOT OPEN TO TRAFFIC	UNIMPROVED EARTH	GRADED AND DRAINED	SOIL SURFACED	TOTAL EARTH	GRAVEL OR STONE	BITUMINOUS	PAVED	TOTAL SURFACED		
Sac	1.660	0.501	22.719		24.880	665.233	0.461	2.833	668.527	693.407	691.747
Scott	1.528	5.954	5.699		13.181	290.169	4.514	34.818	329.501	342.682	341.154
Shelby	14.452		144.310	10.031	168.793	502.287		1.380	503.667	672.460	658.008
Sioux	11.394	4.759	43.693		59.846	874.968	0.093	6.683	881.744	941.590	930.196
Story	0.180	0.659	25.088		25.927	535.043	2.077	16.523	553.643	579.570	579.390
Tama	8.076	2.772	79.944		90.792	703.301	0.708	7.080	711.089	801.881	793.805
Taylor	4.873	5.407	152.225		162.505	415.644	0.491	2.870	419.005	581.510	576.637
Union	2.610	2.213	105.146		109.969	329.461	5.494	7.549	342.504	452.473	449.863
Van Buren	12.576	1.517	49.557		63.650	416.454	0.343	4.879	421.676	485.326	472.750
Wapello	8.569		36.769		45.338	370.071	1.429	10.276	381.776	427.114	418.545
Warren	1.577		78.342		79.919	466.326	1.774	15.881	483.981	563.900	562.323
Washington	14.318	1.185	87.270		102.773	448.357	0.936	3.737	453.030	555.803	541.485
Wayne	5.491	0.373	62.901		68.765	455.320		8.794	464.114	532.879	527.388
Webster	3.276		3.903		7.179	738.585	9.114	18.817	766.516	773.695	770.419
Winnebago	1.510	4.631			6.141	509.126	0.162	2.041	511.329	517.470	515.960
Winneshiek	9.515	1.421	2.698		13.634	678.522	6.541	7.921	692.984	706.618	697.103
Woodbury	13.252	2.084	66.023		81.359	868.620	0.064	19.957	888.641	970.000	956.748
Worth	6.792	0.709	1.492		8.993	414.316	3.170	31.358	448.844	457.837	451.045
Wright	0.603	1.516	0.609		2.728	730.696	0.271	2.430	733.397	736.125	735.522
TOTAL	523.845	258.257	4,436.382	13.823	5,232.307	53,192.196	473.890	1,136.541	54,802.627	60,034.934	59,511.089

**PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	1,027.266	881.067	146.199	85.77
Adams	717.226	613.033	104.193	85.47
Allamakee	875.323	848.848	26.475	96.98
Appanoose	744.077	697.221	46.856	93.70
Audubon	763.441	725.226	38.215	94.99
Benton	1,211.132	1,113.530	97.602	91.94
Black Hawk	769.950	763.368	6.582	99.15
Boone	974.259	967.409	6.850	99.30
Bremer	711.374	706.396	4.978	99.30
Buchanan	931.605	905.447	26.158	97.19
Buena Vista	1,003.772	993.305	10.467	98.96
Butler	958.352	936.055	22.297	97.67
Calhoun	978.190	971.856	6.334	99.35
Carroll	990.693	972.779	17.914	98.19
Cass	901.037	759.697	141.340	84.31
Cedar	953.629	892.063	61.566	93.54
Cerro Gordo	947.650	934.947	12.703	98.66
Cherokee	1,000.058	970.983	29.075	97.09
Chickasaw	839.205	827.557	11.648	98.61
Clarke	661.142	586.270	74.872	88.68

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM

(INCLUDES LEGAL-NOT-OPEN)

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	962.049	956.553	5.496	99.43
Clayton	1,075.982	1,036.479	39.503	96.33
Clinton	1,006.889	995.746	11.143	98.89
Crawford	1,227.223	1,026.774	200.449	83.67
Dallas	881.065	872.367	8.698	99.01
Davis	806.233	732.656	73.577	90.87
Decatur	768.039	673.106	94.933	87.64
Delaware	914.372	898.684	15.688	98.28
Des Moines	615.179	546.332	68.847	88.81
Dickinson	658.167	631.982	26.185	96.02
Dubuque	774.859	759.685	15.174	98.04
Emmet	644.987	639.076	5.911	99.08
Fayette	1,133.865	1,129.022	4.843	99.57
Floyd	868.878	864.589	4.289	99.51
Franklin	996.216	979.623	16.593	98.33
Fremont	750.543	615.224	135.319	81.97
Greene	962.436	952.856	9.580	99.00
Grundy	820.493	805.847	14.646	98.21
Guthrie	937.426	858.948	78.478	91.63
Hamilton	907.298	904.798	2.500	99.72

**PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	1,019.584	1,006.192	13.392	98.69
Hardin	974.476	966.911	7.565	99.22
Harrison	1,100.206	936.206	164.000	85.09
Henry	740.163	668.597	71.566	90.33
Howard	756.795	751.567	5.228	99.31
Humboldt	714.390	712.954	1.436	99.80
Ida	733.336	674.145	59.191	91.93
Iowa	938.802	853.106	85.696	90.87
Jackson	833.089	787.741	45.348	94.56
Jasper	1,227.138	1,170.846	56.292	95.41
Jefferson	749.397	650.439	98.958	86.79
Johnson	909.750	864.543	45.207	95.03
Jones	844.195	810.611	33.584	96.02
Keokuk	928.837	821.970	106.867	88.49
Kossuth	1,655.765	1,617.904	37.861	97.71
Lee	701.090	686.892	14.198	97.97
Linn	1,157.845	1,125.886	31.959	97.24
Louisa	571.188	530.114	41.074	92.81
Lucas	629.521	535.482	94.039	85.06
Lyon	1,004.223	998.872	5.351	99.47

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)
 Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	912.116	857.441	54.675	94.01
Mahaska	969.113	921.450	47.663	95.08
Marion	860.195	809.413	50.782	94.10
Marshall	934.891	908.360	26.531	97.16
Mills	654.775	577.869	76.906	88.25
Mitchell	783.884	776.543	7.341	99.06
Monona	1,073.540	965.689	107.851	89.95
Monroe	620.916	554.033	66.883	89.23
Montgomery	719.573	609.639	109.934	84.72
Muscatine	607.837	586.388	21.449	96.47
O'Brien	1,018.267	953.344	64.923	93.62
Osceola	722.537	671.439	51.098	92.93
Page	919.982	757.842	162.140	82.38
Palo Alto	942.558	938.759	3.799	99.60
Plymouth	1,426.555	1,379.836	46.719	96.73
Pocahontas	999.252	980.212	19.040	98.09
Polk	766.009	754.000	12.009	98.43
Pottawattamie	1,439.079	1,336.267	102.812	92.86
Poweshiek	976.514	848.326	128.188	86.87
Ringgold	890.771	662.830	227.941	74.41

PERCENT SURFACED FOR ALL SYSTEMS ON THE SECONDARY ROAD SYSTEM

(INCLUDES LEGAL-NOT-OPEN)

Surfaced indicates Roads that are gravel or paved

COUNTY	TOTAL SECONDARY			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	1,021.158	996.278	24.880	97.56
Scott	547.144	533.093	14.051	97.43
Shelby	966.096	754.898	211.198	78.14
Sioux	1,366.179	1,305.382	60.797	95.55
Story	939.604	913.677	25.927	97.24
Tama	1,156.606	1,064.876	91.730	92.07
Taylor	907.250	739.232	168.018	81.48
Union	699.226	589.257	109.969	84.27
Van Buren	743.512	679.547	63.965	91.40
Wapello	701.250	655.912	45.338	93.53
Warren	877.236	797.317	79.919	90.89
Washington	907.492	804.719	102.773	88.68
Wayne	830.506	760.728	69.778	91.60
Webster	1,167.014	1,159.835	7.179	99.38
Winnebago	719.229	712.561	6.668	99.07
Winneshiek	1,052.584	1,038.950	13.634	98.70
Woodbury	1,337.086	1,255.727	81.359	93.92
Worth	693.319	684.326	8.993	98.70
Wright	965.931	963.203	2.728	99.72
TOTAL	89,698.156	84,377.580	5,320.576	94.07

**PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	276.985	276.985		100.00
Adams	188.763	188.763		100.00
Allamakee	299.868	299.868		100.00
Appanoose	271.028	269.941	1.087	99.60
Audubon	272.886	272.886		100.00
Benton	357.522	353.573	3.949	98.90
Black Hawk	273.522	273.193	0.329	99.88
Boone	301.368	301.368		100.00
Bremer	190.673	190.673		100.00
Buchanan	331.087	331.087		100.00
Buena Vista	328.801	328.801		100.00
Butler	290.677	290.677		100.00
Calhoun	298.551	298.551		100.00
Carroll	351.197	350.712	0.485	99.86
Cass	258.156	258.156		100.00
Cedar	356.647	354.882	1.765	99.51
Cerro Gordo	318.480	317.783	0.697	99.78
Cherokee	305.756	304.171	1.585	99.48
Chickasaw	233.963	232.950	1.013	99.57
Clarke	246.595	246.595		100.00

**PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	301.791	301.791		100.00
Clayton	403.097	403.097		100.00
Clintoh	348.918	348.829	0.089	99.97
Crawford	379.316	375.733	3.583	99.06
Dallas	253.117	253.117		100.00
Davis	265.494	265.494		100.00
Decatur	304.123	304.123		100.00
Delaware	292.387	292.387		100.00
Des Moines	235.351	235.050	0.301	99.87
Dickinson	220.612	220.612		100.00
Dubuque	313.028	313.028		100.00
Emmet	178.255	178.255		100.00
Fayette	344.512	344.512		100.00
Floyd	247.177	247.177		100.00
Franklin	354.108	354.108		100.00
Frémont	254.001	254.001		100.00
Greene	315.494	315.494		100.00
Grundy	271.146	271.146		100.00
Guthrie	288.181	288.181		100.00
Hamilton	315.900	315.900		100.00

**PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	314.454	313.925	0.529	99.83
Hardin	371.165	371.165		100.00
Harrison	347.263	346.846	0.417	99.88
Henry	269.289	269.105	0.184	99.93
Howard	242.331	242.331		100.00
Humboldt	200.364	200.364		100.00
Ida	224.214	224.214		100.00
Iowa	356.489	355.090	1.399	99.61
Jackson	327.698	326.032	1.666	99.49
Jasper	399.186	399.186		100.00
Jefferson	283.165	281.269	1.896	99.33
Johnson	307.495	307.495		100.00
Jones	312.623	310.963	1.660	99.47
Keokuk	320.729	319.208	1.521	99.53
Kossuth	475.638	475.638		100.00
Lee	276.625	276.625		100.00
Linn	337.617	336.617	1.000	99.70
Louisia	239.518	239.518		100.00
Lucas	211.426	211.426		100.00
Lyon	320.847	320.847		100.00

**PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	321.743	321.743		100.00
Mahaska	298.057	298.012	0.045	99.98
Marion	302.853	302.590	0.263	99.91
Marshall	309.844	309.832	0.012	100.00
Mills	223.530	223.530		100.00
Mitchell	239.574	239.574		100.00
Monona	351.735	351.735		100.00
Monroe	275.683	275.683		100.00
Montgomery	224.359	223.859	0.500	99.78
Muscatine	217.247	215.676	1.571	99.28
O'Brien	312.487	312.487		100.00
Osceola	242.803	242.803		100.00
Page	321.578	321.578		100.00
Palo Alto	302.576	302.576		100.00
Plymouth	347.252	347.252		100.00
Pocahontas	299.499	299.499		100.00
Polk	345.185	343.744	1.441	99.58
Pottawattamie	543.860	542.859	1.001	99.82
Poweshiek	328.270	324.360	3.910	98.81
Ringgold	272.336	270.497	1.839	99.32

**PERCENT SURFACED FOR THE FARM-TO-MARKET SYSTEM ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	327.751	327.751		100.00
Scott	204.462	203.592	0.870	99.57
Shelby	293.636	251.231	42.405	85.56
Sioux	424.589	423.638	0.951	99.78
Story	360.034	360.034		100.00
Tama	354.725	353.787	0.938	99.74
Taylor	325.740	320.227	5.513	98.31
Union	246.753	246.753		100.00
Van Buren	258.186	257.871	0.315	99.88
Wapello	274.136	274.136		100.00
Warren	313.336	313.336		100.00
Washington	351.689	351.689		100.00
Wayne	297.627	296.614	1.013	99.66
Webster	393.319	393.319		100.00
Winnebago	201.759	201.232	0.527	99.74
Winneshiek	345.966	345.966		100.00
Woodbury	367.086	367.086		100.00
Worth	235.482	235.482		100.00
Wright	229.806	229.806		100.00
TOTAL	29,663.222	29,574.953	88.269	99.70

**PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Adair	750.281	604.082	146.199	80.51
Adams	528.463	424.270	104.193	80.28
Allamakee	575.455	548.980	26.475	95.40
Appanoose	473.049	427.280	45.769	90.32
Audubon	490.555	452.340	38.215	92.21
Benton	853.610	759.957	93.653	89.03
Black Hawk	496.428	490.175	6.253	98.74
Boone	672.891	666.041	6.850	98.98
Bremer	520.701	515.723	4.978	99.04
Buchanan	600.518	574.360	26.158	95.64
Buena Vista	674.971	664.504	10.467	98.45
Butler	667.675	645.378	22.297	96.66
Calhoun	679.639	673.305	6.334	99.07
Carroll	639.496	622.067	17.429	97.27
Cass	642.881	501.541	141.340	78.01
Cedar	596.982	537.181	59.801	89.98
Cerro Gordo	629.170	617.164	12.006	98.09
Cherokee	694.302	666.812	27.490	96.04
Chickasaw	605.242	594.607	10.635	98.24
Clarke	414.547	339.675	74.872	81.94

**PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Clay	660.258	654.762	5.496	99.17
Clayton	672.885	633.382	39.503	94.13
Clinton	657.971	646.917	11.054	98.32
Crawford	847.907	651.041	196.866	76.78
Dallas	627.948	619.250	8.698	98.61
Davis	540.739	467.162	73.577	86.39
Decatur	463.916	368.983	94.933	79.54
Delaware	621.985	606.297	15.688	97.48
Des Moines	379.828	311.282	68.546	81.95
Dickinson	437.555	411.370	26.185	94.02
Dubuque	461.831	446.657	15.174	96.71
Emmet	466.732	460.821	5.911	98.73
Fayette	789.353	784.510	4.843	99.39
Floyd	621.701	617.412	4.289	99.31
Franklin	642.108	625.515	16.593	97.42
Fremont	496.542	361.223	135.319	72.75
Greene	646.942	637.362	9.580	98.52
Grundy	549.347	534.701	14.646	97.33
Guthrie	649.245	570.767	78.478	87.91
Hamilton	591.398	588.898	2.500	99.58

**PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Hancock	705.130	692.267	12.863	98.18
Hardin	603.311	595.746	7.565	98.75
Harrison	752.943	589.360	163.583	78.27
Henry	470.874	399.492	71.382	84.84
Howard	514.464	509.236	5.228	98.98
Humboldt	514.026	512.590	1.436	99.72
Ida	509.122	449.931	59.191	88.37
Iowa	582.313	498.016	84.297	85.52
Jackson	505.391	461.709	43.682	91.36
Jasper	827.952	771.660	56.292	93.20
Jefferson	466.232	369.170	97.062	79.18
Johnson	602.255	557.048	45.207	92.49
Jones	531.572	499.648	31.924	93.99
Keokuk	608.108	502.762	105.346	82.68
Kossuth	1,180.127	1,142.266	37.861	96.79
Lee	424.465	410.267	14.198	96.66
Linn	820.228	789.269	30.959	96.23
Louisa	331.670	290.596	41.074	87.62
Lucas	418.095	324.056	94.039	77.51
Lyon	683.376	678.025	5.351	99.22

**PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Madison	590.373	535.698	54.675	90.74
Mahaska	671.056	623.438	47.618	92.90
Marion	557.342	506.823	50.519	90.94
Marshall	625.047	598.528	26.519	95.76
Mills	431.245	354.339	76.906	82.17
Mitchell	544.310	536.969	7.341	98.65
Monona	721.805	613.954	107.851	85.06
Monroe	345.233	278.350	66.883	80.63
Montgomery	495.214	385.780	109.434	77.90
Muscatine	390.590	370.712	19.878	94.91
O'Brien	705.780	640.857	64.923	90.80
Osceola	479.734	428.636	51.098	89.35
Page	598.404	436.264	162.140	72.90
Palo Alto	639.982	636.183	3.799	99.41
Plymouth	1,079.303	1,032.584	46.719	95.67
Pocahontas	699.753	680.713	19.040	97.28
Polk	420.824	410.256	10.568	97.49
Pottawattamie	895.219	793.408	101.811	88.63
Poweshiek	648.244	523.966	124.278	80.83
Ringgold	618.435	392.333	226.102	63.44

**PERCENT SURFACED FOR AREA SERVICE SYSTEMS (NON-FM) ON THE SECONDARY ROAD SYSTEM
(INCLUDES LEGAL-NOT-OPEN)**

Surfaced indicates Roads that are gravel or paved

COUNTY	NON-FARM-TO-MARKET			
	TOTAL MILES	SURFACED	NOT SURFACED	PERCENT SURFACED
Sac	693.407	668.527	24.880	96.41
Scott	342.682	329.501	13.181	96.15
Shelby	672.460	503.667	168.793	74.90
Sioux	941.590	881.744	59.846	93.64
Story	579.570	553.643	25.927	95.53
Tama	801.881	711.089	90.792	88.68
Taylor	581.510	419.005	162.505	72.05
Union	452.473	342.504	109.969	75.70
Van Buren	485.326	421.676	63.650	86.89
Wapello	427.114	381.776	45.338	89.39
Warren	563.900	483.981	79.919	85.83
Washington	555.803	453.030	102.773	81.51
Wayne	532.879	464.114	68.765	87.10
Webster	773.695	766.516	7.179	99.07
Winnebago	517.470	511.329	6.141	98.81
Winneshiek	706.618	692.984	13.634	98.07
Woodbury	970.000	888.641	81.359	91.61
Worth	457.837	448.844	8.993	98.04
Wright	736.125	733.397	2.728	99.63
TOTAL	60,034.934	54,802.627	5,232.307	91.28